

Reply to Office Action dated January 10, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A plasma display panel, comprising:

an address electrode included in each discharge cell making a unit pixel of the plasma display panel;

a plurality of second sustain electrodes positioned at each periphery of the discharge cell in a direction crossing the address electrode to receive a second sustaining pulse; and

at least one of first sustain electrodes positioned at the center of the discharge cell in a direction crossing the address electrode to receive a first sustaining pulse applied alternately with respect to the second sustaining pulse, wherein the plurality of second sustain electrodes is unique to each of the discharge cells associated with the address electrode.

2. (Original) The plasma display panel as claimed in claim 1, wherein the first sustain electrodes are provided between the second sustain electrodes.

3. (Original) The plasma display panel as claimed in claim 1, further comprising:  
a bus electrode arranged in parallel to the first sustain electrode at the center of the first sustain electrode.
4. (Original) The plasma display panel as claimed in claim 1, further comprising:  
bus electrodes arranged in parallel to the first sustain electrode at each edge of the first sustain electrode.
5. (Original) The plasma display panel as claimed in claim 1, further comprising:  
two first sustain electrodes positioned at the center of the discharge cell and provided between the second sustain electrodes.
6. (Original) The plasma display panel as claimed in claim 1, further comprising:  
a first barrier rib formed in parallel to the address electrode.
7. (Original) The plasma display panel as claimed in claim 6, further comprising:  
a second barrier rib formed in a direction crossing the first barrier rib.

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8. (Original) The plasma display panel as claimed in claim 7, wherein the second barrier rib is provided at an interface of the discharge cells.

9. (Original) The plasma display panel as claimed in claim 1, further comprising:  
a scan/sustain driver connected to the first sustain electrode to apply the scanning pulse and the first sustaining pulse; and  
a common sustaining driver connected to the second sustain electrode to apply the second sustaining pulse.

10. (Original) The plasma display panel as claimed in claim 1, further comprising:  
a scan/sustain driver connected to the second sustain electrode to apply the scanning pulse and the second sustaining pulse; and  
a common sustaining driver connected to the first sustain electrode to apply a reset pulse and the first sustaining pulse.

11. (Original) The plasma display panel as claimed in claim 1, further comprising:  
a dielectric layer formed in such a manner to cover the first and second sustain electrodes; and

at least two floating electrodes formed in parallel to the first and second sustain electrodes at the rear side of the dielectric layer.

12. (Original) The plasma display panel as claimed in claim 11, wherein the floating electrodes are provided under the second sustain electrodes.

13. (Currently Amended) A method of driving a plasma display panel including a plurality of second sustain electrodes positioned at each periphery of a discharge cell, an address electrode arranged in a direction crossing the second sustain electrodes, and at least one of first sustain electrode formed in parallel to the second sustain electrodes between the second sustain electrodes, said method comprising the steps of:

applying a reset pulse to at least one electrode of the first sustain electrode and the second sustain electrodes so as to initialize the discharge cell, wherein the plurality of second sustain electrode is unique to each of the discharge cells associated with the address electrode;

applying a scanning pulse to the first sustain electrode so as to select the discharge cells to be turned on;

applying a data pulse synchronized with the scanning pulse to the address electrode; and

alternately applying the sustaining pulse to the first and second sustain electrodes so as to discharge the discharge cells to be turned on.

14. (Currently Amended) A method of driving a plasma display panel including a plurality of second sustain electrodes positioned at each periphery of a discharge cell, an address electrode arranged in a direction crossing the second sustain electrodes, and at least one of first sustain electrode formed in parallel to the second sustain electrodes between the second sustain electrodes, said method comprising the steps of:

applying a reset pulse to at least one electrode of the first sustain electrode so as to initialize the discharge cell;

applying a scanning pulse to the second sustain electrodes so as to select the discharge cells to be turned on, wherein the plurality of second sustain electrode is unique to each of the discharge cells associated with the address electrode;

applying a data pulse synchronized with the scanning pulse to the address electrode; and

alternately applying the sustaining pulse to the first and second sustain electrodes so as to discharge the discharge cells to be turned on.

15-17. (Canceled).

18. (New) A plasma display panel, comprising:

an address electrode included in each discharge cell making a unit pixel of the plasma display panel;

a plurality of second sustain electrodes positioned at each periphery of the discharge cell in a direction crossing the address electrode to receive a second sustaining pulse;

at least one of first sustain electrodes positioned at the center of the discharge cell in a direction crossing the address electrode to receive a first sustaining pulse applied alternately with respect to the second sustaining pulse; and

two first sustain electrodes positioned at the center of the discharge cell and provided between the second sustain electrodes.

19. (New) A plasma display panel, comprising:

an address electrode included in each discharge cell making a unit pixel of the plasma display panel;

a plurality of second sustain electrodes positioned at each periphery of the discharge cell in a direction crossing the address electrode to receive a second sustaining pulse;

at least one of first sustain electrodes positioned at the center of the discharge cell in a direction crossing the address electrode to receive a first sustaining pulse applied alternately with respect to the second sustaining pulse;

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a scan/sustain driver connected to the second sustain electrode to apply the scanning pulse and the second sustaining pulse; and

a common sustaining driver connected to the first sustain electrode to apply a reset pulse and the first sustaining pulse.

20. (New) A display panel, comprising:

a plurality of first sustain electrodes in a first direction;

a plurality of second sustain electrodes in the first direction; and

a plurality of address electrodes in a second direction, which is different from the first direction such that the plurality of first and second sustain electrodes cross with the plurality of address electrodes, wherein there are at least more than two second sustain electrodes than the first sustain electrode.

21. (New) The display panel of claim 20, wherein the plurality of first sustain electrodes are scan electrodes.

22. (New) The display panel of claim 20, wherein the plurality of second sustain electrodes are common sustain electrodes.

23. (New) The display panel of claim 20, wherein there are twice as many second sustain electrodes than the first sustain electrodes.

24. (New) The display of claim 20, wherein a plurality of discharge cells are associated with each of the plurality of address electrodes, and the plurality of second sustain electrodes is unique to each of the plurality of address electrodes for each discharge cell.